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U. S. DEPARTMENT OF AGRICULTURE.

OFFICE OF EXPERIMENT STATIONS—CIRCULAR 70 (Revised).

A. C. TRUE, Director.

PUBLICATIONS OF THE OFFICE OF EXPERIMENT STATIONS FROM ITS ORGANIZATION TO JUNE 30, 1909.

The publications of the Office of Experiment Stations are of five main classes: (1) Annual reports, including the administrative report of the Director and the larger annual report of the Office; (2) Experiment Station Record, which gives a technical review of the current literature of agricultural investigation throughout the world, and Experiment Station Work, which is published periodically in the Farmers' Bulletin series of the department, and gives a popular summary of some of the more salient practical results of the work of the experiment stations; (3) publications relating to the food and nutrition of man, consisting of technical and popular bulletins, circulars, etc., reporting or based upon the results of nutrition investigations conducted under the auspices of the Office; (4) publications relating to irrigation and drainage, which include reports, technical and popular bulletins, circulars, etc., giving the results of the irrigation and drainage investigations of the Office; (5) educational and other publications, including those relating to agricultural education in general and to farmers' institutes, proceedings of the Association of American Agricultural Colleges and Experiment Stations, and of the Association of Farmers' Institute Workers, and similar publications, and the card index of experiment-station literature, besides miscellaneous documents of various kinds.

In addition to its regular publications, the Office has issued a number of reports, bulletins, and circulars of the experiment stations in Alaska, Hawaii, and Porto Rico.

In the following list the publications are classed according to series as annual reports, Experiment Station Record, bulletins, circulars, Farmers' Bulletins, farmers' institute lectures, Yearbook articles, monthly lists of station publications, card index of station literature, charts, and publications of experiment stations in Alaska, Hawaii, and Porto Rico.

ANNUAL REPORTS.

The annual reports of the Office are of two kinds: (1) A brief administrative report of the Director, giving a summary of the work of the Office during the year, for incorporation in annual reports of the Department of Agriculture, from which it is reprinted as a separate document, and (2) a larger annual report of the Office, especially authorized by act of Congress, in which administrative details receive very brief attention, and an attempt is made to show the progress of agricultural education and research in the United States during the period covered by the report. This is done by means of detailed accounts of the work of the Office and of the several agricultural experiment stations, and by articles illustrating progress in nutrition, irrigation, and drainage investigations, farmers' institutes, and agricultural education, and in various special lines of investigation at the experiment stations. The larger part of the edition of the latter report is reserved for distribution through Senators and Representatives in Congress. A smaller number of copies are usually available for distribution by the Secretary of Agriculture. Copies can also be purchased from the Superintendent of Documents at the price affixed. The supply of reports marked with an asterisk (*) is exhausted, but separates of the main portions of some of the more recent annual reports of the Office are available for free distribution.

*Reports of the Director of the Office of Experiment Stations for 1888-1890. W. O. Atwater.

*Reports of the Director of the Office of Experiment Stations for 1891 and 1892. A. W. Harris.

*Reports of the Director of the Office of Experiment Stations for 1893-1908.^a A. C. True.

*Annual Report of the Office of Experiment Stations for the year ended June 30, 1901. A. C. True et al.

Separates:

Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1901.

*Federal Legislation, Regulations and Rulings affecting Agricultural Colleges and Experiment Stations.

*Annual Report of the Alaska Agricultural Experiment Stations for 1901. C. C. Georgeson.

*Annual Report of the Hawaii Agricultural Experiment Station for 1901. J. G. Smith.

*Annual Report of the Porto Rico Agricultural Experiment Station for 1901. F. D. Gardner.

*The scope and purpose of the Irrigation Investigations of the Office of Experiment Stations. Elwood Mead.

*Scope and Results of the Nutrition Investigations of the Office of Experiment Stations.

*Annual Report of the Office of Experiment Stations for the year ended June 30, 1902. A. C. True et al.

Separates:

Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1902. A. C. True and D. J. Crosby.

*Annual Report of the Alaska Agricultural Experiment Stations for 1902. C. C. Georgeson.

*Annual Report of the Hawaii Agricultural Experiment Station for 1902. J. G. Smith.

*Annual Report of the Porto Rico Agricultural Experiment Station for 1902. F. D. Gardner.

*Publications of the Office of Experiment Stations issued during 1902 and Station Publications received by the Office of Experiment Stations during 1902.

*Review of Irrigation Investigations for 1902. Elwood Mead.

Dietary Studies of Groups, especially in Public Institutions. C. F. Langworthy.

*Some Features of Recent Progress in Agricultural Education. A. C. True.

Farmers' Institutes in the United States. D. J. Crosby.

*"Popular" Editions of Station Bulletins. F. H. Hall.

*Cooperation between Experiment Stations and Farmers. J. F. Duggar et al.

^a Only the report for 1908 is available for distribution.

Annual Report of the Office of Experiment Stations for the year ended June 30, 1903. A. C. True et al.

Separates:

Report on the Work and Expenditures of Agricultural Experiment Stations for the year ended June 30, 1903. A. C. True and D. J. Crosby.

*Statistics of Land-Grant Colleges and Experiment Stations, 1903. M. T. Spethmann.

*Federal Legislation, Regulations, and Rulings affecting Agricultural Colleges and Experiment Stations.

*Organization of Governing Boards and Rules adopted by them for the regulation of Agricultural Experiment Stations.

*Annual Report of the Alaska Agricultural Experiment Stations for 1903. C. C. Georgeson.

*Annual Report of the Hawaii Agricultural Experiment Station for 1903. J. G. Smith.

*Annual Report of the Porto Rico Agricultural Experiment Station for 1903. F. D. Gardner.

*Review of Irrigation Investigations for 1903. Elwood Mead.

*Nutrition Investigations at the Government Hospital for the Insane, Washington, D. C. W. O. Atwater.

*A Summary of Recent American Work on Feeding Stuffs. C. F. Langworthy.

*Experiment Station Work with Apples. C. B. Smith.

*Progress in Agricultural Education, 1903. A. C. True.

*Publications of the Office of Experiment Stations issued during 1903 and Station Publications received by the Office of Experiment Stations during 1903.

*Farmers Institutes in the United States. John Hamilton.

Development of the Text-Book of Agriculture in North America. L. H. Bailey.

*Agricultural Economics as a Subject of Study in the Agricultural College. K. L. Butterfield.

*Instruction in Agriculture in Land-Grant Colleges and Schools for Colored Persons. D. J. Crosby.

*Annual Report of the Office of Experiment Stations for the year ended June 30, 1904. A. C. True et al. Price 55 cents.

Separates:

Summary of Annual Report and Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1904. A. C. True and D. J. Crosby.

Statistics of Land-Grant Colleges and Agricultural Experiment Stations, 1904. M. T. Spethmann.

*Annual Report of the Alaska Agricultural Experiment Stations, 1904. C. C. Georgeson.

*Annual Report of the Hawaii Agricultural Experiment Station, 1904. J. G. Smith.

*Annual Report of the Porto Rico Agricultural Experiment Station, 1904. D. W. May.

Report of Irrigation and Drainage Investigations, 1904. Elwood Mead.

Dietetics in Relation to Hospitals for the Insane. W. O. Atwater.

*Experiment Station Work in Corn Culture. J. I. Schulte.

*Some Important Foreign Veterinary Investigations. E. V. Wilcox.

Progress in Agricultural Education, 1904. A. C. True.

Annual Report of Farmers' Institutes, 1904. John Hamilton.

County Schools of Agriculture in Wisconsin. K. C. Davis.

*Exhibits at the Louisiana Purchase Exposition. W. H. Evans and W. H. Beal.

*Publications of the Office of Experiment Stations issued during 1904 and Station Publications received by the Office of Experiment Stations during 1904.

*Annual Report of the Office of Experiment Stations for the year ended June 30, 1905. A. C. True et al. Price 50 cents.

Separates:

Summary of Annual Report and Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1905. A. C. True and D. J. Crosby.

*Statistics of Land-Grant Colleges and Agricultural Experiment Stations, 1905. M. T. Spethmann.

*Drainage Investigations. C. G. Elliott.

*The Evolution of Farm-Implement Investigations. C. J. Zintheo.

*Some Experiment Station Work Relating to the Food and Nutrition of Man. R. D. Milner.

*Some Results of Experiment Station Work with Insecticides. E. V. Wilcox.

*Some Experiment Station Work Relating to the Production and Sale of Pure Milk. H. W. Lawson.

Progress in Agricultural Education, 1905. A. C. True.

The Farmers' Institutes in the United States, 1905. John Hamilton.

Annual Report of the Office of Experiment Stations for the year ended June 30, 1906. A. C. True et al.

Price 50 cents.

Separates:

Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1906. A. C. True and E. W. Allen.

*Statistics of Land-Grant Colleges and Agricultural Experiment Stations, 1906. M. T. Spethmann.

Progress in Agricultural Education, 1906. D. J. Crosby.

The Farmers' Institutes in the United States, 1906. John Hamilton.

The Nutrition Investigations of the Office of Experiment Stations and Their Results. C. F. Langworthy.

Reclamation of Tide Lands. J. O. Wright.

Experiment Station Work with Peaches. C. B. Smith.

Annual Report of the Office of Experiment Stations for the year ended June 30, 1907. A. C. True et al.
Price 50 cents.

Separates:

Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1907.

E. W. Allen.

Statistics of Land-Grant Colleges and Agricultural Experiment Stations, 1907. M. T. Spethmann.

Progress in Agricultural Education, 1907. D. J. Crosby.

The Farmers' Institutes in the United States, 1907. John Hamilton.

The Relation of Nutrition Investigations to Questions of Home Management. C. F. Langworthy.

Losses of Irrigation Water and Their Prevention. R. P. Teele.

Progress in Drainage. C. G. Elliott.

Agriculture in Guam. H. L. V. Costenoble.

Drainage Investigations, 1907-8. C. G. Elliott.

EXPERIMENT STATION RECORD.

The Experiment Station Record is a periodical (two volumes of eight numbers and an index, each, yearly) containing numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries; articles and editorials on topics of special interest in agricultural science, and notes on the experiment stations.

For the convenience of those who desire to receive this publication regularly, the Superintendent of Documents, Government Printing Office, Washington, D. C., has fixed the price per annum (sixteen numbers), beginning with Volume XXI, at \$2.00, payable in advance.

Experiment Station Record, Vols. I (1889-90), Nos. 1-6; II (1890-91), Nos. 1-12, W. O. Atwater, Editor; III (1891-92), Nos. 1-12, A. W. Harris, Editor; IV (1892-93), Nos. 1-12; V (1893-94), Nos. 1-12; VI (1894-95), Nos. 1-12; VII (1895-96), Nos. 1-12; VIII (1896-97), Nos. 1-12; IX (1897-98), Nos. 1-12; X (1898-99), Nos. 1-12, A. C. True, Editor; XI (1899-1900), Nos. 1-12; XII (1900-1901), Nos. 1-12; XIII (1901-2), Nos. 1-12; XIV (1902-3), Nos. 1-12; XV (1903-4), Nos. 1-12; XVI (1904-5), Nos. 1-12; XVII (1905-6), Nos. 1-12; XVIII (1906-7), Nos. 1-12; XIX (1907-8), Nos. 1-12; XX (1908-9), Nos. 1-12; General Index to Experiment Station Record, Vols. I-XII, E. W. Allen, Editor.

BULLETINS.

In this list the bulletins marked with an asterisk (*) are not available for distribution by the Office. Those, however, to which a price is affixed may be obtained from the Superintendent of Documents at the price named. Bulletins not marked with an asterisk will be furnished free, so long as they are available, to libraries, educational institutions, the press, state and foreign officials connected with agriculture, exchanges, and such persons as are in active cooperation with the department or render tangible service in its work. Other persons can obtain these from the Superintendent of Documents.

Separates of the principal parts of Bulletins 86, 100, 104, 119, 133, and 158 in the following list have been printed and in most cases are available for free distribution.

*Bulletin 1. Organization of the Agricultural Experiment Stations in the United States, February, 1889. Price 5 cents.

*Bulletin 2. Digest of the Annual Reports of the Agricultural Experiment Stations in the United States for 1888. (Parts I and II.) Price, Part I, 15 cents; Part II, 10 cents.

*Bulletin 3. Report of a Meeting of Horticulturists of the Agricultural Experiment Stations at Columbus, Ohio, June 13-14, 1889. A. W. Harris.

- *Bulletin 4. List of Horticulturists of the Agricultural Experiment Stations in the United States, with an Outline of the Work in Horticulture at the Several Stations. W. B. Alwood. Price 5 cents.
- *Bulletin 5. Organization Lists of the Agricultural Experiment Stations and Agricultural Schools and Colleges in the United States, March, 1890.
- *Bulletin 6. Lists of the Botanists of the Agricultural Experiment Stations in the United States, with an outline of the Work in Botany at the Several Stations.
- *Bulletin 7. Proceedings of the Fifth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Washington, D. C., August 12-18, 1891. A. W. Harris and H. E. Alvord, editors. Price 10 cents.
- *Bulletin 8. Six Lectures on the Investigations at Rothamsted Experiment Station, Delivered under the Provisions of the Lawes Agricultural Trust, before the Association of American Agricultural Colleges and Experiment Stations, at Washington, D. C., August 12-18, 1891. R. Warington.
- *Bulletin 9. The Fermentations of Milk. H. W. Conn.
- *Bulletin 10. Meteorological Work for Agricultural Institutions. M. W. Harrington. Price 5 cents.
- *Bulletin 11. A Compilation of Analyses of American Feeding Stuffs. E. H. Jenkins and A. L. Winton. Price 10 cents.
- *Bulletin 12. Organization Lists of the Agricultural Experiment Stations and Agricultural Schools and Colleges in the United States, June, 1892.
- *Bulletin 13. Organization Lists of the Agricultural Experiment Stations and Agricultural Schools and Colleges in the United States, April, 1893.
- *Bulletin 14. Proceedings of a Convention of the National League for Good Roads, held at Washington, D. C., January 17-18, 1893, and Hearing by the Committee on Agriculture in the House of Representatives, January 19, 1893. Price 10 cents.
- *Bulletin 15. Handbook of Experiment Station Work. A Popular Digest of the Publications of the Agricultural Experiment Stations in the United States. Price 25 cents.
- *Bulletin 16. Proceedings of the Sixth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at New Orleans, La., November 15-19, 1892. A. W. Harris and H. E. Alvord, editors. Price 10 cents.
- *Bulletin 17. Suggestions for the Establishment of Food Laboratories in Connection with the Agricultural Experiment Stations of the United States. E. Atkinson. Price 5 cents.
- *Bulletin 18. A contribution to the investigation of the Assimilation of Free Atmospheric Nitrogen by White and Black Mustard. J. P. Lotsy.
- *Bulletin 19. Organization Lists of the Agricultural Experiment Stations and Agricultural Schools and Colleges in the United States, January, 1894. Price 5 cents.
- *Bulletin 20. Proceedings of the Seventh Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, at Chicago, October 17-19, 1893. A. C. True and H. E. Alvord, editors. Price 5 cents.
- Bulletin 21. Methods and Results of Investigations on the Chemistry and Economy of Food. W. O. Atwater.
- Bulletin 22. Agricultural Investigations at Rothamsted, England, During a Period of Fifty Years. Six Lectures Delivered under the Provisions of the Lawes Agricultural Trust. Sir J. H. Gilbert. Price, paper, 30 cents; cloth, 50 cents.
- *Bulletin 23. Organization Lists of the Agricultural Experiment Stations and Institutions with Courses in Agriculture in the United States, January, 1895. Price 5 cents.
- *Bulletin 24. Proceedings of the Eighth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Washington, D. C., November 13-15, 1894. A. C. True and H. H. Goodell, editors. Price 5 cents.
- *Bulletin 25. Dairy Bacteriology. H. W. Conn.
- *Bulletin 26. Agricultural Experiment Stations: Their Objects and Work. A. C. True. Price 5 cents.
- *Bulletin 27. Organization Lists of the Agricultural Experiment Stations and Institutions with Courses in Agriculture in the United States, January, 1896. Price 5 cents.
- Bulletin 28. The Chemical Composition of American Food Materials. W. O. Atwater and A. P. Bryant. Revised edition. Price 5 cents.
- *Bulletin 29. Dietary Studies at the University of Tennessee in 1895. C. E. Wait et al. Price 5 cents.
- *Bulletin 30. Proceedings of the Ninth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Denver, Colo., July 16-18, 1895. A. C. True and H. H. Goodell, editors. Price 10 cents.
- Bulletin 31. Dietary Studies at the University of Missouri in 1895, and Data Relating to Bread and Meat Consumption in Missouri. H. B. Gibson et al. Price 5 cents.
- *Bulletin 32. Dietary Studies at Purdue University, Lafayette, Ind., in 1895. W. E. Stone et al. Price 5 cents.
- *Bulletin 33. The Cotton Plant; Its History, Botany, Chemistry, Culture, Enemies, and Uses. A. C. True et al.

- *Bulletin 34. The Carbohydrates of Wheat, Maize, Flour, and Bread, and the Action of Enzymic Ferments upon Starches of Different Origin. W. E. Stone. Price 5 cents.
- *Bulletin 35. Food and Nutrition Investigations in New Jersey in 1895 and 1896. E. B. Voorhees. Price 5 cents.
- *Bulletin 36. Notes on Irrigation in Connecticut and New Jersey. C. S. Phelps and E. B. Voorhees.
- *Bulletin 37. Dietary Studies at the Maine State College in 1895. W. H. Jordan. Price 5 cents.
- *Bulletin 38. Dietary Studies with Reference to the Food of the Negro in Alabama in 1895 and 1896. Conducted with the Cooperation of the Tuskegee Normal and Industrial Institute and the Agricultural and Mechanical College of Alabama. W. O. Atwater and C. D. Woods. Price 5 cents.
- *Bulletin 39. Organization Lists of the Agricultural Experiment Stations and Institutions with Courses in Agriculture in the United States, February, 1897. Price 5 cents.
- Bulletin 40. Dietary Studies in New Mexico in 1895. A. Goss. Price 5 cents.
- *Bulletin 41. Proceedings of the Tenth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Washington, D. C., November 10-12, 1896. A. C. True and H. H. Goodell, editors. Price 10 cents.
- Bulletin 42. Cotton Culture in Egypt. G. P. Foaden. Price 5 cents.
- *Bulletin 43. Losses in Boiling Vegetables and the Composition and Digestibility of Potatoes and Eggs. H. Snyder et al. Price 5 cents.
- *Bulletin 44. Report of Preliminary Investigations on the Metabolism of Nitrogen and Carbon in the Human Organism, with a Respiration Calorimeter of Special Construction. W. O. Atwater et al. Price 5 cents.
- Bulletin 45. A Digest of Metabolism Experiments in which the Balance of Income and Outgo was Determined. W. O. Atwater and C. F. Langworthy. (Revised edition.) Price 25 cents.
- Bulletin 46. Dietary Studies in New York City in 1895 and 1896. W. O. Atwater and C. D. Woods. Price 10 cents.
- *Bulletin 47. Organization Lists of the Agricultural Experiment Stations and Institutions with Courses in Agriculture in the United States, January, 1898. Price 10 cents.
- *Bulletin 48. A report to Congress on Agriculture in Alaska, including Reports by W. H. Evans, B. Killin, and S. Jackson. A. C. True. Price 10 cents.
- *Bulletin 49. Proceedings of the Eleventh Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Minneapolis, Minn., July 13-15, 1897. A. C. True and H. H. Goodell, editors. Price 10 cents.
- *Bulletin 50. A Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1897. A. C. True. Price 10 cents.
- *Bulletin 51. Statistics of the Land-Grant Colleges and Agricultural Experiment Stations in the United States for the year ended June 30, 1897. Price 5 cents.
- *Bulletin 52. Nutrition Investigations in Pittsburg, Pa., 1894-1896. Isabel Bevier.
- Bulletin 53. Nutrition Investigations at the University of Tennessee in 1896 and 1897. C. E. Wait. Price 5 cents.
- *Bulletin 54. Nutrition Investigations in New Mexico in 1897. A. Goss. Price 5 cents.
- *Bulletin 55. Dietary Studies in Chicago in 1895 and 1896, Conducted with the Cooperation of Jane Addams and Caroline L. Hunt, of Hull House. W. O. Atwater and A. P. Bryant. Price 5 cents.
- *Bulletin 56. History and Present Status of Instruction in Cooking in the Public Schools of New York City. Mrs. L. E. Hogan and A. C. True.
- *Bulletin 57. Varieties of Corn. E. L. Sturtevant. Price 10 cents.
- *Bulletin 58. Water Rights on the Missouri River and Its Tributaries, E. Mead; Water Laws of Colorado, J. E. Field; Water Laws of Nebraska, J. M. Wilson. Price 10 cents.
- *Bulletin 59. Organization Lists of the Agricultural Colleges and Experiment Stations in the United States with a List of Agricultural Experiment Stations in Foreign Countries, January, 1899. Price 10 cents.
- *Bulletin 60. Abstract of Laws for Acquiring Titles to Water from the Missouri River and Its Tributaries, with the Legal Forms in Use. E. Mead. Price 10 cents.
- *Bulletin 61. A Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1898. A. C. True. Price 15 cents.
- *Bulletin 62. A Second Report to Congress on Agriculture in Alaska, including Reports by C. C. Georgeson and W. H. Evans. A. C. True. Price 10 cents.
- *Bulletin 63. Description of a New Respiration Calorimeter and Experiments on the Conservation of Energy in the Human Body. W. O. Atwater and E. B. Rosa. Price 10 cents.
- *Bulletin 64. Statistics of the Land-Grant Colleges and Agricultural Experiment Stations in the United States for the year ended June 30, 1898. Price 5 cents.
- *Bulletin 65. Proceedings of the Twelfth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Washington, D. C., November 15-17, 1898. A. C. True, W. H. Beal, and H. H. Goodell, editors. Price 10 cents.
- *Bulletin 66. The Physiological Effects of Creatin and Creatinin and Their Value as Nutrients. J. W. Mallet. Price 5 cents.

- *Bulletin 67. Studies on Bread and Bread Making. H. Snyder and L. A. Voorhees. Price 10 cents.
- *Bulletin 68. A Description of Some Chinese Vegetable Food Materials and Their Nutritive and Economic Value. W. C. Blasdale. Price 10 cents.
- *Bulletin 69. Experiments on the Metabolism of Matter and Energy in the Human Body. W. O. Atwater et al. Price 10 cents.
- Bulletin 70. Water-Right Problems of Bear River. C. T. Johnston and J. A. Breckons. Price 15 cents.
- *Bulletin 71. Dietary Studies of Negroes in Eastern Virginia in 1897 and 1898. H. B. Frissell and Isabel Bevier. Price 5 cents.
- *Bulletin 72. Farmers' Reading Courses. L. H. Bailey. Price 5 cents.
- *Bulletin 73. Irrigation in the Rocky Mountain States. J. C. Ulrich.
- *Bulletin 74. Organization Lists of the Agricultural Colleges and Experiment Stations in the United States, with a List of Agricultural Experiment Stations in Foreign Countries, January, 1900. Price 10 cents.
- *Bulletin 75. Dietary Studies of University Boat Crews. W. O. Atwater and A. P. Bryant.
- *Bulletin 76. Proceedings of the Thirteenth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at San Francisco, Cal., July 5-7, 1899. A. C. True, W. H. Beal, and H. H. Goodell, editors. Price 10 cents.
- *Bulletin 77. The Digestibility of American Feeding Stuffs. W. H. Jordan and F. H. Hall. Price 10 cents.
- *Bulletin 78. Statistics of the Land-Grant Colleges and Agricultural Experiment Stations in the United States for the year ended June 30, 1899. Price 5 cents.
- *Bulletin 79. Farmers' Institutes: History and Status in the United States and Canada. L. H. Bailey. Price 5 cents.
- Bulletin 80. The Agricultural Experiment Stations in the United States. A. C. True and V. A. Clark. Price, cloth, \$1.25; paper, \$1.10.
- *Bulletin 81. The Use of Water in Irrigation in Wyoming and Its Relation to the Ownership and Distribution of the Natural Supply. B. C. Buffum.
- *Bulletin 82. Report on Agricultural Investigations in Alaska in 1899. C. C. Georgeson. Price 10 cents.
- *Bulletin 83. A Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1899. A. C. True. Price 10 cents.
- Bulletin 84. Nutrition Investigations at the California Agricultural Experiment Station, 1896-1898. M. E. Jaffa. Price 5 cents.
- *Bulletin 85. A Report of Investigations on the Digestibility and Nutritive Value of Bread. C. D. Woods and L. H. Merrill. Price 5 cents.
- *Bulletin 86. The Use of Water in Irrigation. Elwood Mead, C. T. Johnston, et al. Price 30 cents.
- *Bulletin 87. Irrigation in New Jersey. E. B. Voorhees.
- *Bulletin 88. Organization Lists of the Agricultural Colleges and Experiment Stations in the United States, with a List of Agricultural Experiment Stations in Foreign Countries, January, 1901. Price 10 cents.
- *Bulletin 89. Experiments on the Effect of Muscular Work upon the Digestibility of Food and the Metabolism of Nitrogen, Conducted at the University of Tennessee, 1897 to 1899. C. E. Wait.
- *Bulletin 90. Irrigation in Hawaii. Walter Maxwell.
- *Bulletin 91. Nutrition Investigations at the University of Illinois, North Dakota Agricultural College, and Lake Erie College, Ohio, 1896 to 1900. H. S. Grindley, E. F. Ladd, Isabel Bevier, et al. Price 5 cents.
- *Bulletin 92. The Reservoir System of the Cache la Poudre Valley. E. S. Nettleton. Price 15 cents.
- *Bulletin 93. A Report on the Work and Expenditures of the Agricultural Experiment Stations for the year ended June 30, 1900. A. C. True. Price 15 cents.
- *Bulletin 94. Fourth Report on the Agricultural Investigations in Alaska, 1900. C. C. Georgeson. Price 20 cents.
- Bulletin 95. Report on the Agricultural Resources and Capabilities of Hawaii. W. C. Stubbs. Price 20 cents.
- *Bulletin 96. Irrigation Laws of the Northwest Territories of Canada and of Wyoming. J. S. Dennis, Fred Bond, and J. M. Wilson. Price 10 cents.
- *Bulletin 97. Statistics of the Land-Grant Colleges and Agricultural Experiment Stations in the United States for the year ended June 30, 1900. Price 5 cents.
- *Bulletin 98. The Effect of Severe and Prolonged Muscular Work on Food Consumption, Digestion, and Metabolism. W. O. Atwater and H. C. Sherman. The Mechanical Work and Efficiency of Bicyclers. R. C. Carpenter. Price 5 cents.
- *Bulletin 99. Proceedings of the Fourteenth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at New Haven and Middletown, Conn., November 13-15, 1900. A. C. True, W. H. Beal, and H. H. Goodell, editors. Price 15 cents.
- *Bulletin 100. Report of Irrigation Investigations in California. Price, paper, 90 cents; cloth, \$1.25.
- *Bulletin 101. Studies on Bread and Bread Making at the University of Minnesota in 1899 and 1900. Harry Snyder. Price 10 cents.

- *Bulletin 102. Experiments on Losses in Cooking Meat, 1898-1900. H. S. Grindley et al. Price 5 cents.
- *Bulletin 103. The Evolution of Reaping Machines. M. F. Miller. Price 10 cents.
- *Bulletin 104. Report of Irrigation Investigations for 1900. E. Mead et al. Price 50 cents.
- *Bulletin 105. Irrigation in the United States. E. Mead. Price 15 cents.
- *Bulletin 106. Results of Investigations on the Rothamsted Soils. B. Dyer. Price 10 cents.
- *Bulletin 107. Nutrition Investigations among Fruitarians and Chinese at the California Agricultural Experiment Station, 1899-1901. M. E. Jaffa. Price 5 cents.
- Bulletin 108. Irrigation Practice among Fruit Growers on the Pacific Coast. E. J. Wickson.
- Bulletin 109. Experiments on the Metabolism of Matter and Energy in the Human Body, 1898-1900. W. O. Atwater, F. G. Benedict, et al. Price 10 cents.
- *Bulletin 110. Proceedings of the Sixth Annual Meeting of the American Association of Farmers' Institute Workers, held at Buffalo, N. Y., September 18 and 19, 1901. A. C. True, D. J. Crosby, and G. C. Creelman, editors. Price 5 cents.
- *Bulletin 111. Organization Lists of the Agricultural Colleges and Experiment Stations in the United States, with a List of Agricultural Experiment Stations in Foreign Countries, March, 1902. D. J. Crosby and M. T. Spethmann. Price 10 cents.
- Bulletin 112. Agricultural Experiment Stations in Foreign Countries. A. C. True and D. J. Crosby. Price 15 cents.
- *Bulletin 113. Irrigation of Rice in the United States. F. Bond and G. H. Keeney. Price 30 cents.
- *Bulletin 114. Statistics of the Land-Grant Colleges and Agricultural Experiment Stations of the United States for the year ended June 30, 1901. M. T. Spethmann. Price 5 cents.
- *Bulletin 115. Proceedings of the Fifteenth Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, held at Washington, D. C., November 12-14, 1901. A. C. True, W. H. Beal, and H. H. Goodell, editors. Price 10 cents.
- Bulletin 116. Dietary Studies in New York City in 1896 and 1897. W. O. Atwater and A. P. Bryant. Price 5 cents.
- *Bulletin 117. Experiments on the Effect of Muscular Work on the Digestibility of Food and the Metabolism of Nitrogen. C. E. Wait. Price 5 cents.
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ARTICLES IN THE YEARBOOK OF THE DEPARTMENT.

These are brief popular articles. They are issued as separates and intended for free distribution. Those not marked with an asterisk (*) are available for distribution.

- *Education and Research in Agriculture in the United States (Yearbook 1894, pp. 81-116). A. C. True.
- *Food and Diet; Human Foods (Yearbook 1894, pp. 357-388, 547-558). W. O. Atwater.
- *Origin, Value, and Reclamation of Alkali Lands (Yearbook 1895, pp. 103-122). E. W. Hilgard.
- *The Feeding Value of Corn Stover (Yearbook 1896, pp. 353-360). J. B. Lindsey.
- *The Improvement of Our Native Fruits (Yearbook 1896, pp. 297-304). L. H. Bailey.
- *Agricultural Education and Research in Belgium (Yearbook 1896, pp. 361-370). A. C. True.
- *Office of Experiment Stations (Yearbook 1897, pp. 135-143). A. C. True.
- *Popular Education for the Farmer in the United States (Yearbook 1897, pp. 279-290). A. C. True.
- *The Needs and Requirements of a Control of Feeding Stuffs (Yearbook 1897, pp. 421-428). E. W. Allen.
- *The Agricultural Outlook on the Coast of Alaska (Yearbook 1897, pp. 553-576). W. H. Evans.
- *Foods for Man (Yearbook 1897, pp. 676-682).
- *Some Types of American Agricultural Colleges (Yearbook 1898, pp. 63-80). A. C. True.
- *Some Results of Dietary Studies in the United States (Yearbook 1898, pp. 439-452). A. P. Bryant.
- *Agricultural Experiments in Alaska (Yearbook 1898, pp. 515-524). C. C. Georgeson.
- *Agricultural Education in the United States (Yearbook 1899, pp. 157-190). A. C. True.
- *Development of the Nutrition Investigations of the Department of Agriculture (Yearbook 1899, pp. 403-414). A. C. True and R. D. Milner.
- *Agricultural Experiment Stations in the United States (Yearbook 1899, pp. 513-548). A. C. True.
- *Rise and Future of Irrigation in the United States (Yearbook 1899, pp. 591-612). Elwood Mead.
- *Agricultural Education in France (Yearbook 1900, pp. 115-130). C. B. Smith.
- *The Value of Potatoes as Food (Yearbook 1900, pp. 337-348). C. F. Langworthy.
- *Practical Irrigation (Yearbook 1900, pp. 491-512). C. T. Johnston and J. D. Stannard.
- Some Problems of the Rural Common School (Yearbook 1901, pp. 133-154). A. C. True.
- *Dietaries in Public Institutions (Yearbook 1901, pp. 393-408). W. O. Atwater.
- *Some Typical Reservoirs in the Rocky Mountain States (Yearbook 1901, pp. 415-430). E. Mead.
- *Agricultural Investigations in the Island Possessions of the United States (Yearbook 1901, pp. 503-526).
W. H. Evans.
- *Some Engineering Features of Drainage (Yearbook 1902, pp. 231-244). C. G. Elliott.
- *The Cost of Food as Related to Its Nutritive Value (Yearbook 1902, pp. 387-406). R. D. Milner.
- Progress in Secondary Education in Agriculture (Yearbook 1902, pp. 481-500). A. C. True.
- Some Practical Results of Experiment Station Work (Yearbook 1902, pp. 589-606). W. H. Beal.
- *The Farmers' Institutes (Yearbook 1903, pp. 149-158). John Hamilton.
- Wheat Flour and Bread (Yearbook 1903, pp. 347-362). Harry Snyder and C. D. Woods.
- *Preparing Land for Irrigation (Yearbook 1903, pp. 239-250). R. P. Teele.
- *The Respiration Calorimeter (Yearbook 1904, pp. 205-220). W. O. Atwater and F. G. Benedict.
- *Potato Culture near Greeley, Colo. (Yearbook 1904, pp. 311-322). J. Max Clark.
- Boys' Agricultural Clubs (Yearbook 1904, pp. 489-496). Dick J. Crosby.
- *Some Ways in Which the Department of Agriculture and the Experiment Stations Supplement Each Other (Yearbook 1905, pp. 167-182). E. W. Allen.
- The Use of Illustrative Material in Teaching Agriculture in Rural Schools (Yearbook 1905, pp. 257-274).
Dick J. Crosby.
- *Fruit and Its Uses as Food (Yearbook 1905, pp. 307-324). C. F. Langworthy.
- *Illustrations of the Influence of Experiment Station Work on Culture of Field Crops (Yearbook 1905, pp. 407-422). J. I. Schulte.
- The Relation of Irrigation to Dry Farming (Yearbook 1905, pp. 423-438). Elwood Mead.
- Introduction of Elementary Agriculture into Schools (Yearbook 1906, pp. 151-164). A. C. True.
- *Corn-Breeding Work at the Experiment Stations (Yearbook 1906, pp. 279-294). J. I. Schulte.
- *Nuts and Their Uses as Food (Yearbook 1906, pp. 295-312). M. E. Jaffa.
- Training Courses for Teachers of Agriculture (Yearbook 1907, pp. 207-220). D. J. Crosby.
- Food and Diet in the United States (Yearbook 1907, pp. 361-378). C. F. Langworthy.
- The Use of Small Water Supplies for Irrigation (Yearbook 1907, pp. 409-424). S. Fortier.

MONTHLY LISTS OF STATION PUBLICATIONS.

The issue of these lists began with January, 1904, at first at bi-monthly intervals, afterwards at monthly intervals. Each number now gives a list of station publications received by the Office during the month next preceding the date of transmittal of the list to the printer. The lists are printed in limited edition and are intended mainly for the use of experiment station officials, farmers' institute workers, librarians, and others specially interested in keeping track of station publications.

- Document 646. Publications received during November and December, 1903.
- Document 652. Publications received during January and February, 1904.
- Document 662. Publications received during March and April, 1904.
- Document 722. Publications received during May and June, 1904.
- Document 732. Publications received during July and August, 1904.
- Document 745. Publications received during September and October, 1904.
- Document 751. Publications received during November and December, 1904.
- Document 759. Publications received during January and February, 1905.
- Document 774. Publications received during March and April, 1905.
- Document 821. Publications received during May and June, 1905.
- Document 825. Publications received during July and August, 1905.
- Document 847. Publications received during September and October, 1905.
- Document 858. Publications received during November and December, 1905.
- Document 872. Publications received during January and February, 1906.
- Document 890. Publications received during March and April, 1906.
- Document 908. Publications received during May and June, 1906.
- Document 915. Publications received during July and August, 1906.
- Document 940. Publications received during September and October, 1906.
- Document 964. Publications received during November and December, 1906.
- Document 971. Publications received during January, 1907.
- Document 977. Publications received during February, 1907.
- Document 986. Publications received during March, 1907.
- Document 1002. Publications received during April, 1907.
- Document 1013. Publications received during May, 1907.
- Document 1020. Publications received during June, 1907.
- Document 1032. Publications received during July, 1907.
- Document 1037. Publications received during August, 1907.
- Document 1044. Publications received during September, 1907.
- Document 1048. Publications received during October, 1907.
- Document 1054. Publications received during November, 1907.
- Document 1065. Publications received during December, 1907.
- Document 1073. Publications received during January, 1908.
- Document 1080. Publications received during February, 1908.
- Document 1087. Publications received during March, 1908.
- Document 1091. Publications received during April, 1908.
- Document 1097. Publications received during May, 1908.
- Document 1102. Publications received during June, 1908.
- Document 1109. Publications received during July, 1908.
- Document 1114. Publications received during August, 1908.
- Document 1121. Publications received during September, 1908.
- Document 1127. Publications received during October, 1908.
- Document 1143. Publications received during November, 1908.
- Document 1148. Publications received during December, 1908.
- Document 1154. Publications received during January, 1909.
- Document 1159. Publications received during February, 1909.
- Document 1165. Publications received during March, 1909.
- Document 1174. Publications received during April, 1909.
- Document 1181. Publications received during May, 1909.

CARD INDEX OF EXPERIMENT STATION LITERATURE.

This index is printed on cards 2 by 5 inches in size, each card containing the title of an article, the name of its author, a reference to the publication in which it appeared and to the Experiment Station Record in which an abstract of the article may be found, and a condensed statement of its contents. Thirty thousand cards were issued up to June 30, 1909, covering the publications of experiment stations in the United States from 1888 to that date.

One copy of the index with a key containing the system of classification is sent without charge to each of the agricultural colleges and experiment stations and to certain of the state boards and commissioners of agriculture. Besides this free distribution, the Office is prepared, under the authority of the law, to furnish a limited number of sets of the index at a price only sufficient to cover additional cost of printing. This is estimated at \$2 per thousand cards. For the division cards an additional charge of \$1.25 is made. A few sets have been broken, and portions of these also may be obtained at the same rate per thousand cards.

Payments should be made by United States money order in favor of A. Zappone, disbursing officer, but, like all other communications relating to the index, should be forwarded in envelopes addressed to the Director of the Office of Experiment Stations.

CHARTS.

One set of four food and diet charts by W. O. Atwater (no longer available).

LIST OF OFFICE PUBLICATIONS.

Classified lists of the publications of the Office relating to food and nutrition of man, irrigation, drainage, and agricultural education are issued from time to time and are available for free distribution.

PUBLICATIONS OF THE ALASKA, HAWAII, AND PORTO RICO EXPERIMENT STATIONS.

The publications of these stations have at different times been issued (1) as Congressional documents, (2) publications of this Office, (3) bulletins and circulars of the stations. The publications are not, as a rule, available for distribution by the Office. The following is a complete list of the publications of these stations in whatever way issued:

PUBLICATIONS RELATING TO AGRICULTURE IN ALASKA, INCLUDING PUBLICATIONS OF THE ALASKA STATION.**REPORTS.**

- A Report to Congress on Agriculture in Alaska, including reports by W. H. Evans, B. Killin, and S. Jackson. A. C. True, 1898. (Office of Experiment Stations Bulletin 48.) Price 10 cents. Also issued as House Document No. 160, Fifty-fifth Congress, second session.
- A Second Report to Congress on Agriculture in Alaska, including reports by C. C. Georgeson and W. H. Evans. A. C. True. (Office of Experiment Stations Bulletin 62.) Price 10 cents. Also issued as House Document No. 169, Fifty-fifth Congress, third session.

- Report on Agricultural Investigations in Alaska in 1899. C. C. Georgeson. (Office of Experiment Stations Bulletin 82.) Price 10 cents. Also issued as House Document No. 314, Fifty-sixth Congress, first session.
- Fourth Report on the Agricultural Investigations in Alaska, 1900. C. C. Georgeson. (Office of Experiment Stations Bulletin 94.) Price 20 cents. Also issued as House Document No. 335, Fifty-sixth Congress, second session.
- Annual Report of the Alaska Agricultural Experiment Stations for 1901. C. C. Georgeson. (Office of Experiment Stations Document 492. Reprint from the Annual Report of the Office of Experiment Stations for the year ended June 30, 1901.)
- Annual Report of the Alaska Agricultural Experiment Stations for 1902. C. C. Georgeson. (Office of Experiment Stations Document 562. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1902.)
- Annual Report of the Alaska Agricultural Experiment Stations for 1903. C. C. Georgeson. (Office of Experiment Stations Document 667. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1903.)
- Annual Report of the Alaska Agricultural Experiment Stations, 1904. C. C. Georgeson. (Office of Experiment Stations Document 796. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1904.)
- Report on Agricultural Investigations in Alaska, 1905. C. C. Georgeson. (Office of Experiment Stations Bulletin 169.) Price 20 cents.
- Annual Report of the Alaska Agricultural Experiment Stations for 1906. (Office of Experiment Stations Document 985.) Price 25 cents.
- Annual Report of Alaska Agricultural Experiment Stations for 1907. (Office of Experiment Stations Document 1082.) Price 15 cents.
- Separate:
- Dairy Practice at Kenai Station. P. H. Ross.

BULLETINS.

- Bulletin 1. Suggestions to Pioneer Farmers in Alaska. C. C. Georgeson. Price 5 cents.
- Bulletin 2. Vegetable Growing in Alaska. C. C. Georgeson. Price 5 cents.
- Bulletin 3. Haymaking at Kenai Experiment Station. P. H. Ross. Price 5 cents.

PUBLICATIONS RELATING TO AGRICULTURE IN HAWAII, INCLUDING PUBLICATIONS OF THE HAWAII STATION.

REPORTS.

- Report on the Agricultural Resources and Capabilities of Hawaii. W. C. Stubbs. (Office of Experiment Stations Bulletin 95.) Price 20 cents. Also issued as House Document No. 368, Fifty-sixth Congress, second session.
- Annual Report of the Hawaii Agricultural Experiment Station for 1901. J. G. Smith. (Office of Experiment Stations Document 493. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1901.)
- Annual Report of the Hawaii Agricultural Experiment Station for 1902. J. G. Smith. (Office of Experiment Stations Document 563. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1902.)
- Annual Report of the Hawaii Agricultural Experiment Station for 1903. J. G. Smith. (Office of Experiment Stations Document 668. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1903.)
- Annual Report of the Hawaii Agricultural Experiment Station, 1904. J. G. Smith. (Office of Experiment Stations Document 797. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1904.)
- Report on Agricultural Investigations in Hawaii, 1905. J. G. Smith. (Office of Experiment Stations Bulletin 170.) Price 15 cents.
- Annual Report of the Hawaii Agricultural Experiment Station for 1906. (Office of Experiment Stations Document 1008.) Price 20 cents.
- Separate:
- The Economic Seaweeds of Hawaii and Their Food Value. Minnie Reed.
- Annual Report of the Hawaii Agricultural Experiment Station for 1907. (Office of Experiment Stations Document 1085.) Price 15 cents.

BULLETINS.

- Bulletin 1. Chickens and Their Diseases in Hawaii. T. F. Sedgwick. Price 5 cents.
- Bulletin 2. The Root Rot of Taro. T. F. Sedgwick.
- Bulletin 3. Insecticides for Use in Hawaii. D. L. Van Dine. Price 5 cents.

- Bulletin 4. The Cultivation of Sisal in Hawaii. F. E. Conter.
 Bulletin 5. A Sugar-Cane Leaf-Hopper in Hawaii. D. L. Van Dine.
 Bulletin 6. Mosquitoes in Hawaii. D. L. Van Dine.
 Bulletin 7. The Banana in Hawaii. J. E. Higgins.
 Bulletin 8. Methods of Milking. F. G. Krauss.
 Bulletin 9. Citrus Fruits in Hawaii. J. E. Higgins. Price 5 cents.
 Bulletin 10. Insect Enemies of Tobacco in Hawaii. D. L. Van Dine. Price 5 cents.
 Bulletin 11. The Black Wattle (*Acacia decurrens*) in Hawaii. J. G. Smith. Price 10 cents.
 Bulletin 12. The Mango in Hawaii. J. E. Higgins. Price 10 cents.
 Bulletin 13. The Composition of some Hawaiian Feeding Stuffs. Edmund C. Shorey. Price 10 cents.
 Bulletin 14. Marketing Hawaiian Fruits. J. E. Higgins.
 Bulletin 15. Cultivation of Tobacco in Hawaii. J. G. Smith and C. R. Blacow. Price 10 cents.
 Bulletin 16. The Ceara Rubber Tree in Hawaii. J. G. Smith and Q. Q. Bradford. Price 10 cents.
 Bulletin 17. Hawaiian Honeys. D. L. Van Dine and Alice R. Thompson. Price 5 cents.

PUBLICATIONS RELATING TO AGRICULTURE IN PORTO RICO, INCLUDING PUBLICATIONS OF THE PORTO RICO STATION.

REPORTS.

- Agricultural Resources and Capabilities of Porto Rico. 1901. (H. Doc. No. 171, 56th Cong., 2d sess.)
 Annual Report of the Porto Rico Agricultural Experiment Station for 1901. F. D. Gardner. (Office of Experiment Stations Document 494. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1901.)
 Annual Report of the Porto Rico Agricultural Experiment Station for 1902. F. D. Gardner. (Office of Experiment Stations Document 564. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1902.)
 Annual Report of the Porto Rico Agricultural Experiment Station for 1903. F. D. Gardner. (Office of Experiment Stations Document 669. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1903.)
 Annual Report of the Porto Rico Agricultural Experiment Station, 1904. D. W. May. (Office of Experiment Stations Document 798. Reprint from Annual Report of the Office of Experiment Stations for the year ended June 30, 1904.)
 Report on Agricultural Investigations in Porto Rico, 1905. D. W. May. (Office of Experiment Stations Bulletin 171.) Price 10 cents.
 Annual Report of the Porto Rico Agricultural Experiment Station for 1906. (Office of Experiment Stations Document 974.) Price 10 cents.
 Annual Report of the Porto Rico Agricultural Experiment Station for 1907. (Office of Experiment Stations Document 1075.) Price 10 cents.
 Separate:
 The Fermentation of Cacao and of Coffee. Oscar Loew.

BULLETINS.

- Bulletin 1. The Agricultural Experiment Station of Porto Rico: Its Establishment, Location, and Purpose. Frank D. Gardner. Price 5 cents.
Same, Spanish edition. Price 5 cents.
 Bulletin 2. The Changa or Mole Cricket (*Scapteriscus didactylus* Latr.) in Porto Rico. O. W. Barrett. Price 5 cents.
Same, Spanish edition. Price 5 cents.
 Bulletin 3. Soil Survey from Arecibo to Ponce, Porto Rico. C. W. Dorsey, L. Mesmer, and T. A. Caine. (Reprinted from Report of Field Operations of the Bureau of Soils, 1902.) 1903. Price 10 cents.
Same, Spanish edition. Price 10 cents.
 Bulletin 4. Propagation and Marketing of Oranges in Porto Rico. H. C. Henricksen. Price 10 cents.
Same, Spanish edition. Price 10 cents.
 Bulletin 5. Tobacco Investigations in Porto Rico during 1903-4. J. Van Leenhoff, jr. Price 5 cents.
Same, Spanish edition. Price 5 cents.
 Bulletin 6. The Yautias, or Taniers, of Porto Rico. O. W. Barrett. Price 5 cents.
Same, Spanish edition. Price 5 cents.
 Bulletin 7. Vegetable Growing in Porto Rico. H. C. Henricksen. Price 15 cents.
Same, Spanish edition. Price 15 cents.
 Bulletin 8. Pineapple Growing in Porto Rico. H. C. Henricksen and M. J. Iorns.

* Printed in Honolulu and not available for distribution by the Department of Agriculture or the Superintendent of Documents in Washington.

CIRCULARS.

- a* Circular 1. Sanseveria. O. W. Barrett. (Published in Spanish only.)
- Circular 2. The Condition of the Coffee Industry in Porto Rico. J. W. Van Leenhoff.
- a* Circular 3. Sea Island Cotton in Porto Rico. R. M. Walker.
- a* Same, Spanish edition.
- a* Circular 4. Control of the Brown Ant (*Solenopsis geminata*, Fab.) in Orange Orchards.
- a* Same, Spanish edition.
- a* Circular 5. Coffee Planting in Porto Rico. J. W. Van Leenhoff.
- a* Same, Spanish edition.
- a* Circular 6. Fertilizers. D. W. May.
- a* Same, Spanish edition.
- a* Circular 7. Control of the Brown Ant (*Solenopsis geminata*, Fab.) and the Mealy Bug (*Pseudococcus citri*, Risso) in Pineapple Plantations. W. V. Tower.
- a* Same, Spanish edition.
- a* Circular 8. Picking and Packing Citrus Fruits. M. J. Iorns.
- a* Same, Spanish edition.
- a* Circular 9. The Catalase of Soils. D. W. May and P. L. Gile.
- a* Circular 10. Some Principles in Manuring with Lime and Magnesia. O. Loew.

Recommended for publication.

A. C. TRUE, *Director*.

Publication authorized.

JAMES WILSON,

Secretary of Agriculture.

WASHINGTON, D. C., July 28, 1909.

a Printed in Porto Rico and not available for distribution by the Department of Agriculture or the Superintendent of Documents in Washington.

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